



## Lågförlustkoax Flexibel

**Acome M2831Z 50 Ω 1/2"**

Flame retardant Low Smoke Zero Halogen Jacket



- 1 - Inner Conductor** : Copper-clad Aluminium  
Diameter : 4.80 +/-0.05 mm
- 2 - Dielectric** : Cellular Polyethylene  
Diameter : 11.90 +/- 0.20 mm  
Eccentricity : < 2%
- 3 - Outer conductor** : Annularly corrugated copper tube  
Diameter over outer conductor : 13.70 +/- 0.2 mm  
Diameter outside bottom : 12.10 +/-0.2 mm  
Section length : 5 +/- 0.05 mm
- 4 - Jacket** : Low Smoke Zero Halogen Compound  
Diameter : 16.0 +/- 0.30 mm

### Mechanical Characteristics

Packaging : CBE 500 meters  
Weight approx. : 276 kg/km  
Fire resistance : IEC 332-1 / IEC 332-3A  
Smoke toxicity : IEC 754-2 / NFC 20-454  
Smoke density : IEC 1034

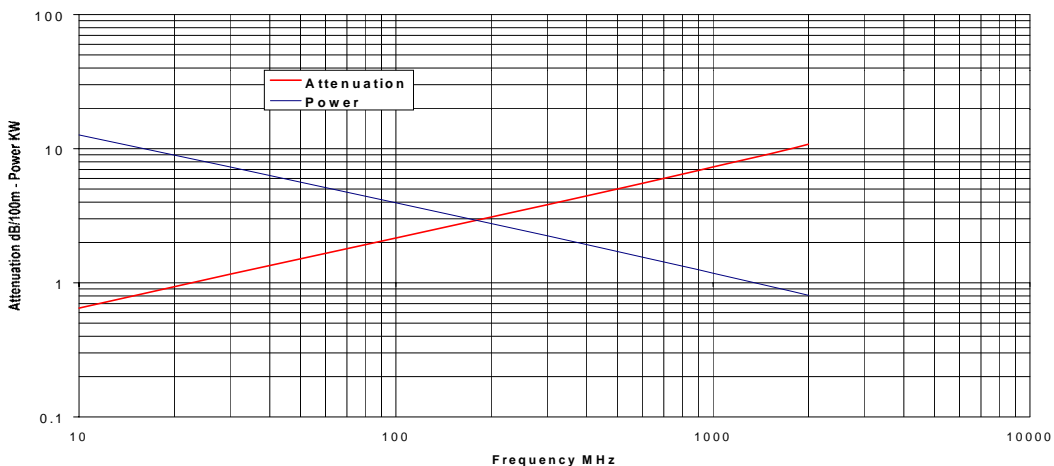
Installation Bending Radius : 70 mm - Min  
Operating Bending Radius : 125 mm - Min  
Tensile Strength : 1100 N - Max.  
Operating temperature range : -40°C/ + 85°C  
Installation temperature range : -25°C / + 60°C

### Electrical Characteristics

Impedance : 50 +/-1  
Capacitance : 76 +/- 1.5 pF/m  
Return Loss : **mini 26 dB** from 880 to 960 MHz  
**mini 23 dB** from 1710 to 1880 MHz  
Velocity : 88%, Dielectric constant:1.32, typical values

Operating frequency : 8GHz  
Peak power rating : 25.6 KW  
Operating voltage : 1.6 KV RMS  
Test voltage : 3.3 KV RMS  
Insulation Resistance : > 10000 M .km  
DC Resistance: inner conductor : ≤ 1.60 /km  
: outer conductor : ≤ 1.60 /km

*Test methods are meeting the requirements of : IEC 68 - 96 - 966*



Frequency MHz	10	30	100	300	450	600	900	1000	1500	1800	2000
Attenuation dB/100 m typical values	0.65	1.16	2.16	3.83	4.73	5.52	6.88	7.33	9.10	10.12	10.77
Power (Watt) - 40°C ambient temperature Inner conductor : 100 °C	12700	7290	3950	2240	1810	1550	1250	1180	950	860	810

AB RADIO-MASTER

Mediavägen 4C  
135 48 TYRESÖ

Tel: 08-712 00 60  
Fax: 08-742 84 21

E-Mail: info@radiomaster.se  
Web: www.radiomaster.se